

Declassification Review by  
NGA/DoD~~TOP SECRET~~

OUT51507.

TOP SECRET 192107Z

1963 JUL 19 21 52Z

**PRIORITY** 25X1

CORONA

22 JUL 1963

HFS

CJS

PPC

DWS

AGL

25X1

SUB: MISSION 9053 STELLAR DENSITY VALUES

1. THE BASE FOG LEVEL RANGES FROM .09 TO .12, WITH THE MAJORITY OF VALUES HOLDING CONSTANT AT .10.

Grace (File)

2. THE D-MIN, D-MAX, AND D-AVERAGE VALUES IN THE STELLAR IMAGE AREA RANGE FROM .09 TO .14, WITH THE MAJORITY OF VALUES HOLDING BETWEEN .10 AND .12.

3. IN THE VIGNETTED STELLAR AREA THE D-MIN VALUES RANGE FROM .92 TO 1.51, WITH THE EXCEPTION OF READINGS TAKEN FROM ASCENDING PASSES, WHICH DO NOT EXCEED .47. THE AVERAGE D-MIN VALUE (ASCENDING PASS EXCLUDED) IS 1.22.

4. THE D-MAX VALUES IN THIS AREA (ASCENDING PASSES EXCLUDED) RANGE FROM 1.25 TO 2.08, WITH AN AVERAGE OF 1.48. IN THE ASCENDING PASSES THE D-MAX VALUES DO NOT EXCEED .67.

5. IN ALL CASES THE HEAVIEST DENSITIES ARE LOCATED AT BOTTOM-CENTER OF THE VIGNETTED AREA AND PROGRESSIVELY DECREASED IN VALUE ABOVE THAT POINT AND TO THE RIGHT OR LEFT.

6. IT SHOULD BE NOTED THAT A WIDE VARIETY OF VALUES ARE OBTAINABLE WITHIN THE VIGNETTED STELLAR AREA. IN ORDER TO MAINTAIN SOME ORDER OF DENSITOMETRIC VALUES THE READINGS ARE CONFINED TO THAT PLUS DENSITY AREA EXCLUSIVE OF THE VISIBLE GRADIENT FROM MINUS

**TOP SECRET**GROUP 1  
Excluded from automatic  
downgrading and  
declassification 25X1

DENSITY TO PLUS DENSITY. IN OTHER WORDS, ONLY THE UNIFORMLY  
HEAVY-DENSITY AREA IS CONSIDERED AND THE "THRESHOLD" IS IGNORED.  
(THE THRESHOLD VALUES ARE IN THE ORDER OF .20 TO .40).

T O P S E C R E T

END OF MESSAGE

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